



Performance Data Sheet

AE2420Z-FZ1C

General Information

Model	AE2420Z-FZ1C	Refrigerant	R-404A
Test Condition	EN12900 ASERCOM	Performance Test Voltage	230V ~ 50HZ
Return Gas	20°C (68°F) RETURN GAS	Motor Type	CSIR

Performance Information

Evap Temp (°C)	Condensing Temperature (°C)				
		30	40	50	60
-40	Watts (Capacity)	224	175	127	81.2
	Watts (Power)	214	215	210	201
	Amps	1.83	1.79	1.75	1.69
-35	Watts (Capacity)	305	246	188	130
	Watts (Power)	246	252	253	251
	Amps	1.89	1.89	1.88	1.86
-30	Watts (Capacity)	404	332	260	188
	Watts (Power)	279	291	299	303
	Amps	1.97	2.01	2.04	2.05
-25	Watts (Capacity)	522	434	345	255
	Watts (Power)	312	331	346	359
	Amps	2.07	2.14	2.21	2.26
-23.3	Watts (Capacity)	567	473	377	280
	Watts (Power)	323	345	362	378
	Amps	2.11	2.19	2.27	2.33
-20	Watts (Capacity)	661	555	445	334
	Watts (Power)	345	372	395	417
	Amps	2.19	2.29	2.39	2.48
-15	Watts (Capacity)	824	695	563	427
	Watts (Power)	378	414	446	478
	Amps	2.32	2.46	2.59	2.72
-10	Watts (Capacity)	1010	858	699	537
	Watts (Power)	411	456	499	541
	Amps	2.46	2.64	2.81	2.97

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2060.742	255.0079	1.99754	
C2	70.49388	0.1395555	0.0165055	
C3	-18.08492	8.24419	0.0286365	
C4	0.808038	-0.0585445	0.000332673	
C5	-0.5894326	0.1975103	0.000712673	
C6	-0.05767999	-0.03530465	-0.0000512862	
C7	0.002593462	-0.0001171908	0	
C8	-0.00622148	0.001782869	0	
C9	-0.001016029	0.0005573904	0	
C10	0.0001961988	0.0002489041	0	

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature